

## ABSTRACT OF THE DISCLOSURE

The present invention relates to an information processing method for recognizing a pattern of an image, character, speech or the like. According to the method, a feature space in which a point set given as learning patterns is present is divided to form a classification tree on the basis of the learning patterns. The method comprises the linear combination feature amount generation step of generating a new feature amount by a linear combination of the feature amounts of the learning patterns; the hierarchization pre-preprocessing step of hierarchizing, in advance, the new feature amount generated in the linear combination feature amount generation step; and the classification tree generation step of generating a classification tree on the basis of the learning patterns hierarchized in the hierarchization pre-processing step.

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